

CLEAN COPY OF AMENDED AND NEW CLAIMS

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1. Lens checking apparatus for the optical control of ophthalmic lenses, comprising a container to received a lens to be examined, an illuminating device with at least one light source which emits a light beam, and a condenser to illuminate the lens and an image receiving device to receive the image of the lens, whereby the light beam from the light source has a predetermined wavelength and a CCD camera is provided as the image receiving device.

2. Lens checking apparatus according to claim 1, whereby the light source has a wavelength in the region of $\lambda = 600 - 1000$ nm.

3. Lens checking apparatus according to claim 1, whereby a light emitting diode (LED) is provided as the light source.

4. Lens checking apparatus according to claim 3, whereby an IR diode is provided as the light source.

5. Lens checking apparatus according to Claim 1, whereby a cut-on filter is provided in front of the CCD camera.

6. Lens checking apparatus according to Claim 1, whereby a high-resolution CCD camera is used.

7. Lens checking apparatus according to Claim 1, whereby the CCD camera is movable by means of an x-y cradle.

8. Lens checking apparatus according to Claim 1, whereby the CCD camera is movable by means of an x-y-z cradle.

9. Lens checking apparatus according to claim 8, whereby the cradle is controllable by stepping motor units.

10. Lens checking apparatus according to Claim 1, whereby the CCD camera is linked to a computer, the image of the lens taken by the CCD camera being stored in the computer, and testing of the lens being carried out by means of an automatic software-supported image analysis system.

11. Lens checking apparatus according to Claim 1, whereby said ophthalmic lenses are contact lenses.

12. Lens checking apparatus according to Claim 2, whereby a light emitting diode (LED) is provided as the light source.

13. Lens checking apparatus according to Claim 2, whereby a cut-on filter is provided in front of the CCD camera.

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